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South Carolina
DHEC
Department of Health and Environmental Control



MEMORANDUM

TO: Richard Haynes
Site Engineering Section
Division of Site Engineering and Screening
Bureau of Solid and Hazardous Waste Management

FROM: Angela Gorman, Hydrologist
Superfund and Solid Waste Section
Division of Hydrogeology
Bureau of Solid and Hazardous Waste Management

DATE: May 1, 1991

RE: Draft Record of Decision
Medley Farm Site
SCD 980 558 142
Cherokee County

The draft Record of Decision (ROD) for the Medley Farm site has been reviewed as requested. Overall, the selected remedy for groundwater appears appropriate based on the data collected during the Remedial Investigation. However, as stated in several previous memoranda, some of the results obtained during the Remedial Investigation are not conclusive, and further investigation during the initial stages of the Remedial Design is required to confirm the suitability and ensure the effective implementation of the selected remedy. The wording in the draft ROD should be revised to reflect the need for further investigation to resolve these issues. More specific discussion of recommended changes or additions to the ROD is provided in the comments listed below.

1) Page 27, seventh paragraph: It is agreed that available data indicate that volatile organic compounds are the major contaminants present in groundwater. However, only very limited sampling for semi-volatile organic compounds (SVOCs) has been conducted at the site. Therefore, additional sampling for SVOCs is needed to confirm the previous results and ensure that the selected treatment method for groundwater is appropriate. A statement that these analyses will be conducted during the initial phase of the Remedial Design should be added to the ROD.

2) Page 31, third paragraph; page 53, second paragraph: The full extent of groundwater contamination has not been defined at the site. Therefore, statements that "the extent of contamination appears to be limited to portions of the aquifer directly beneath and downgradient of the former disposal area" should be followed by a statement indicating that additional wells will be installed and samples collected to confirm the contaminant extent and ensure adequate design of the groundwater recovery system.

3) Page 53, fifth paragraph: Insufficient data regarding regional groundwater flow direction in fractured bedrock is available to state that the three private wells located approximately one-half mile south of the site are "not downgradient". In fact, based on topography and surface water flow, it appears that these wells are located generally downgradient of the site. Therefore, the statement that these wells are "not downgradient" should be revised to state that these wells are not directly downgradient. Also, monitoring wells downgradient of the site should be maintained in a continuing monitoring program to detect any impact from the site which may migrate toward the private wells.

cc: Brad Keith, Appalachia III District